

Addendum on rotational properties of confined bosons: time-inversion referencing

F. Brosens*, and J. T. Devreese[†]
*Departement Natuurkunde,
 Universiteit Antwerpen (UIA), Universiteitsplein 1,
 B-2610 Antwerpen*

L. F. Lemmens[‡]
*Departement Natuurkunde,
 Universiteit Antwerpen (RUCA), Groenenborgerlaan 171,
 B-2020 Antwerpen*

In this addendum we introduce the concept of time-inversion referencing. This is an extension of hypertext allowing authors to cite papers that where not yet published (or even not yet written) when they publish a manuscript. We are convinced that this concept will prove very useful especially when adjustments to the so-called intellectual property rights have to be made. We apply the concept to our paper on rotational properties of trapped bosons.

If the paper [1] would have been published prior to Refs. [2,3], we would have added the reference [1] in our papers. Indeed, both [1] and [2,3] deal with the same problem (i.e. the moment of inertia of a confined Bose gas), the calculations are done for the same model (bosons in a harmonic trap), with the same method (projection on the symmetric representation of the permutation group in combination with a Feynman-Kac functional), and lead to the same final result (the expression for the moment of inertia in terms of the system parameters). More methodological details can be found in Ref. [4]. Fortunately, we [2,3] also treated a generalization to the case of *interacting* bosons using the Jensen-Feynman theorem, which is not mentioned in [1]. Therefore we would not have had to abandon publication if we had foreseen the paper [1].

We invite the casual reader to verify that a time-inversion reference is appropriate here. It provides at least a warning against a substantially incomplete bibliography. In extreme cases it might warrant intellectual property rights.

-
- [1] J. Schneider and H. Wallis, *Permutation cycles and the moment of inertia of a trapped ideal Bose gas*, cond-mat-0003471 (2000).
 - [2] F. Brosens, J. T. Devreese, and L. F. Lemmens, *Rotational properties of trapped bosons*, cond-mat/9611090 (1996).
 - [3] F. Brosens, J. T. Devreese, and L. F. Lemmens, Phys. Rev. A **55**, 2453 (1997).
 - [4] F. Brosens, J. T. Devreese, and L. F. Lemmens, Phys. Rev. E **55**, 227 (1997).

*Senior Research Associate of the FWO-Vlaanderen

[†]Also at the Universiteit Antwerpen (RUCA), and Technische Universiteit Eindhoven, Eindhoven, The Netherlands.

[‡]e-mail lcnlmmns@ruca.ua.ac.be